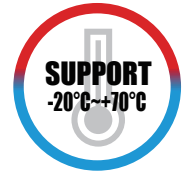


ROC315B

PERFECTRON

Fanless Embedded System with Intel® Atom™ N455 CPU onboard, VGA, Dual GbE LAN, Audio, 5 x COM, 6 x USB and +9V ~ 30V DC in



Main Features

- Intel® N455 (512K cache, 1.66 GHz) CPU onboard
- 1 x 204 pin SO-DIMM DDR3 800 up to 2GB
- Supports 2.5" SATA HDD/SSD & CF card
- 5 x COM ports
- Dual LAN ports
- Display by VGA
- 9V ~ 30V DC in
- Wide temperature -20°C ~ +70°C (-40°C ~ +70°C optional)
- Ultra slim design (H: 51.0mm)

► Specifications

System

| | |
|----------------|---|
| CPU Type | Intel® Atom™ N455 1.66GHz onboard |
| Chipset | Intel® ICH8M |
| Memory Type | 1 x 204 pin SO-DIMM DDR3 800 up to 2GB |
| BIOS | AMI® BIOS |
| Expansion Slot | 1 x Mini PCIe slot |
| Ethernet | 2 x RTL8111DL GbE LAN |
| Storage | 1 x 2.5" SATA HDD/SSD drive bay 1 x external CF socket |

Front I/O

| | |
|--------------|---------------------------------|
| USB | 4 |
| COM | 4 x RS232 with 5V/12V selection |
| Power Button | Yes |
| Power LED | Yes |
| HDD LED | Yes |
| Audio | Mic in, Line out |

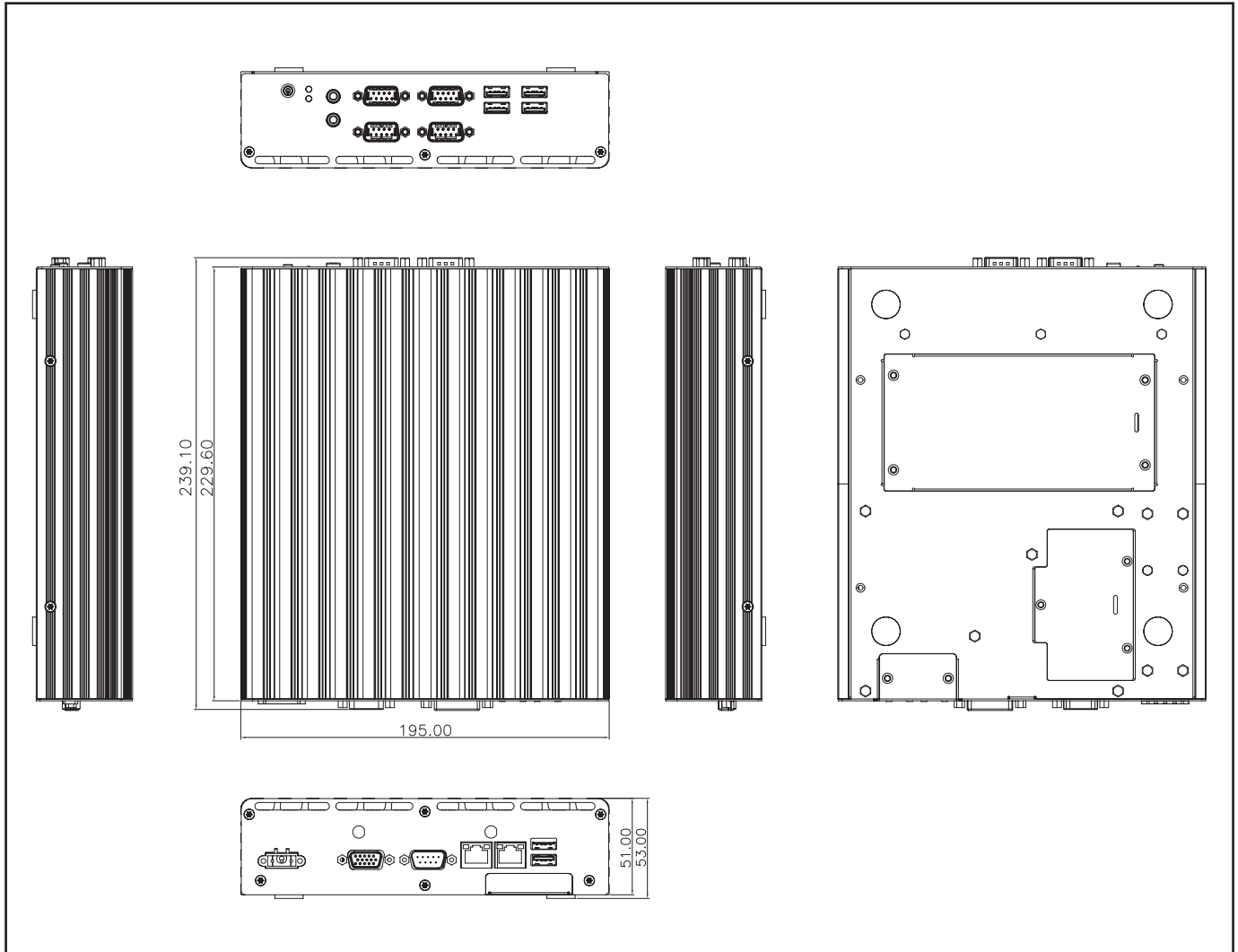
Rear I/O

| | |
|-------------|---|
| VGA | 1 |
| Ethernet | 2 x RJ45 |
| USB | 2 |
| COM | 1 x RS232/422/485 with 5V/12V selection |
| Antenna | Reserved two antenna holes |
| Power Input | 9V ~ 30V DC in (By terminal block) |
| CF Socket | 1 |

Mechanical & Environment

| | |
|--------------------|--------------------------------------|
| Power Requirements | 9V ~ 30V DC in |
| Dimension | 230 x 195 x 51 mm (L x W x H) |
| Construction | Aluminum chassis with fanless design |
| Operating Temp. | -20°C ~ +70°C |
| Storage Temp. | -40°C ~ +80°C |
| Relative Humidity | 10% to 95% (Non-Condensing) |
| Certifications | CE, FCC |

► Mechanical Drawing



► Packing List

- ROC315B Fanless Embedded System
- Driver CD
- AC input +100~240V, 1.5A, 50~60Hz
DC output +12, 1.5A Power adapter w/o power cord (optional)
- Wall mount kit (optional)



► Ordering Information

Modules

| Model Number | Description |
|--------------|---|
| ROC315B-ET | Fanless Embedded System with Intel® Atom™ N455 CPU onboard, VGA, Dual GbE LAN, Audio, 5 x COM, 6 x USB and 9V~30V DC in (-20°C ~ +70°C) |
| ROC315B-UT | Rock Box, Fanless Embedded System with Intel® Atom™ N455 CPU onboard, VGA, Dual GbE LAN, Audio, 5 x COM, 6 x USB and 9V~30V DC in (-40°C ~ +70°C) |

Accessories

- DC output 12V, 1.5A Power adapter w/o power cord (optional)
- Wall mount kit (optional)